FIGURE 1A: SEQ ID NO 1 (DG747)

- 1 GAATTCCATA TGCACGATTA CATATATGAT GATCGTATCT ACAATAATGA TAAAGAGAAA
- 61 AATGTTATAA AAAGTGATAA TAAAAATGTT ATAAAAAGTG ATAATAAAA TGATTATAAA
- 121 AAGTGTAATA AAAATGTTAT AAAAAGTGAT AATAAAAATG TTATAAAAAG TGATAATAAA
- 181 AATGTGGAAT TC

FIGURE 1B: SEQ ID NO 2 (DG772)

- 1 GAATTCCCAG ATCCTCGAAG TAATGACCAA GAAGATGCTA CTGACGATGT TGTAGAAAAT
- 61 AGTAGAGATG ATAATAATAG TCTCTCTAAT AGCGTAGATA ATCAAAGTAA TGTTTTAAAT
- 121 AGAGAAGATC CTATTGCTTC TGAAACTGAA GTTGTAAGTG AACCTGAGGA TTCAAGTAGG
- 181 ATAATGACTA CAGAAGTTCC AAGTACTACT GTAAAACCCC CTGATGAAAA ACGATCTGAA
- 241 GAAGTAGGAG AAAAAGAAGC TAAAGAAATT AAAGTAGAAC CTGTTGTACC AAGAGCCATT
- 301 GGAGAACCAA TGGAAAATTC TGTGAGCGTA CAGTCCCCTC CTAAGGAATT C

FIGURE 1C: SEQ ID NO 3 (DG747)

1 EFHMHDYIYD DRIYNNDKEK NVIKSDNKNV IKSDNKNDYK KCNKNVIKSD NKNVIKSDNK 61 NVEF

FIGURE 1D: SEQ ID NO 4 (DG772)

- 1 EFPDPRSNDQ EDATDDVVEN SRDDNNSLSN SVDNQSNVLN REDPIASETE VVSEPEDSSR
- 61 IMTTEVPSTT VKPPDEKRSE EVGEKEAKEI KVEPVVPRAI GEPMENSVSV QSPPKEF

FIGURE 1E: SEQ ID NOs 5-8:

SEQ ID NO 5: DNKNV

SEQ ID NO 6: DNKND

SEQ ID NO 7: DKEKNV

SEQ ID NO 8: KSDNKNV

FIGURE 2A:

	10	20	30	40	50	60	70 .
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FIGURE 2A(continued)

	710	720	730	740	750	760	770	
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AAGAAAA	ATATAGCCA:	TGAAAATAT.	AAAAGAAGGI	AAGAGTTC	\DTTTDTDTDTD		ATTATAATTCA1	ı
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	790	800	810	820	830	840	850	
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TTATATAA	TTCTTGTAA	iggtgaaata	AGTAAGATC	AACAAAATA	AGTAGTCATA	, ATABTBTTCD:	, Taataatatgg	
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							. Y G	•
860	870	880	890	900	910	920		
1	1	1	1	1	1	920	930	
AATTATAA	TACGTTTGCA	aatgtgaat <i>i</i>	Vattttataa	TATATTCCT	' Cagatgatga	, ,	I TCARATTATTA	
N Y N	TFA	NVN	FII	YSS	D D E	AGATAATATA	TCAAATTATTA S <u>N</u> YY	T
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1020	1030	1040	1050	1060			
1	1	t			1070	1080	1090
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GTAATAGAGCATA V I E H I	D K T	A A D	MCATITITAA	ATAAAAATCO	AAGTGAAAA	vagtgtttta	TGAAT
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FIGURE 2A(continued)

1450 1460 1 . 1 TCATCTAATCAATATTCTATAAAATTTGTACCAAGACATTTATTATATGTAATGAGTCAAGTTGCTTCTCGATCCTTT H L I N I L · N L Y Q D I Y Y M · · V K L L L D P F I . S I F Y K I C T K T F I I C N E S S C F S I L F 1500 1510 1520 ı 1 TTTGATCCTTTATATAGAAAGCAGTTATTTTTTCGTTACTAA FDPLYRKQLFFRY. · S F I · K A V I F S L L

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Figure 2B:

	10	20	30	40	50	60	70
	1	ł	1	1	1	1	
ATGAAAG	GGAAAATGA	ATATGTGTTT	GTTTTTTT	TATTCTATA!	TATATGTTG	TATTATGTAC	CTATGTATTAGG1
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160	170	180	190	200	210	20.0	
1	1	1	1	1	210	220	230
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R N H · N	VFL	KKT	7 V V T				<u>T</u>
GIIKT					LGG		Q .
			• •		LVE	K V W N	K
790	800	810	820	830	840	250	
1	1	I	1	1		850	
AGACTATGGAAAACTA	TGATACAGCO	ATATGCTCA	TTTAGGATGI	AGAAAACCTO	, ====================================		
RLWKTN	IQP	Y A H	LGC	RKPr	TI GUGUNIGA	ACCTCAGATA	AT
DYGKL	• Y S H	MLI	• D V	E N T	MBM	POIN	
TMENY	DTA	I C S	FRM .	K T		L R	I
	•,				. E	rspk	•
860 870	880	890	900	910	920		
t į	1	1	1	1	920	930	
AGATGGATTCTGGAAT	GGGGAAATA	TAATTGTAGA	TTAATGAAG	GAGAAACAAA:			
W 1 L E W	GKY	N C R	LMK	K P P		_	
DGFWNG	GNI	I V D	• R	RKK	<u> </u>	G E C S	
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GAATATGGTAA	TATGAAGAAAAA	GTATGTGTCA	ATCATATAT	מממת מות מיחייתי מבו"		1	
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1 1	1	1	j				
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	V I D T	v s s	DKbi			•	
V H L M	LKQII	FLA	I K D	E 11 F	KKE	F K P W	!
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AAATGTGATAAAA K C D K N	ATTCTTTTGAAAC		LAACCTCTA.		1	į.	
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м • • к	F F • N	5 5 5 .		CHR	E D K	v e v .	
			v C B	CVTE	KTR	F L F	R
1410	1420 14	130 14	40 34				
1	1 1				60 14	70 14	80
GGAAATTTGAACTA G N L N Y	TCTACTGAATGAT	GATATTTATA) }	· · · · · · · · · · · · · · · · · · ·	ı	1	
G N L N Y	LLND	DIVN	AIGIACATAA	TTCACAACTA	CTTATCGAAA1	TATAATGGC	r
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FIGURE 2B (continued)

	1490	1500	1510	1520	1530	1540	1650	
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TCTAAA	CAAGAAGG	AAGTTATTA	GGAAAAAA		ACTTGATAACC		-1	₂ .4
S K (O E G	K T. T. 16		TI GUARLANI	ACTTGATAACC	ngaatgcatg(LATATATAT	AAAT
I. N	KKF	5 V V	5 K K B	G T I	LDNQ	NAC	K Y I	<u> </u>
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GATAGTT	'ATGTTGAT	TATAAAGATA	TAGTTATTGG	AAATGATTTA	TGGAATGATAA		7770000	
D S Y	V D	KDI	V I G	N D I.	WNDN		MANGTICAA	MAT
I V	MLI	IKI	LLE	мту	G M I T	N S I	K V O	N
· L	с • г	• R Y	S Y W 1		E	T. L. •	KFK	(I)
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1640	1650	1660	3.530		•			
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YTSFR	S K K Q	RNV	IYRI	K • •	K M R (O I · V R Y K	•

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RKME	R K N V	M . T .	NSV	S V A	S G N K	E I E	<u>K</u>
EKWR	R K N Y		r	v s Q	V V I	KKSK	R
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2350							
2330	2360	2370	.2380	2390	2400	2410	
1	i	i	1	1	1		
AGTAAGGATGAAA	agcaacctgaaai	AAGAAGCAAA	ACAAACTAA1	GGAACTTTA	ACCGTACGAAC	TGACAAAGA	PTCA
SKDEK	QPEK	E A K	Q T N	G T T. 1			
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FIGURE 2B (continued)

2660	2670	2680	2690	2700	2710	2720	
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GATCAATCACAAAGTG	GATTAGATCA	י מממששתם	, ,		. !	l l	
DQSOSG	T. D.O.	c c v	MGINGGNGIA	GCGAGTGAAC.	AAAATGAAA1	TTCTTCAGGA	2AA
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GAACAAAACGTAAAAA		. 	1	ı	1	1:	
GAACAAAACGTAAAAA	E C D	GMAGTAGTT	CCACAAGAAA	CAACTAGTGA	AAATGGGTC	atcacaagaca	CA
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DAKK	E L Q S	TVS	RIE	SNE	o b v o	c	_
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· C Q K R	T S I	Y C I	K N • 1	• • т	GRS		
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3130	3140	3150	3160	3170	3180	3100	
ı	ŀ	1	1	1			
GAAGATACTCCTACTG	TTGAAGGAAI	AGTAGGAGA:	TAAAGCAGAA	ATGTTAACT:			
J D I P T V	EGK	<u>v</u> G D	KAE	м т. т с			
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f j	1	ı	1	3230	3260	3270	
AGTCGGAATCAGGTT:	TAAATCCAAC	IGATGACATT	, משמעעעעעע) TCCEC		1.1	
SESGL	NPT	ד מ מ	K 4 4 2	MIGGIGITG	TTAAAGAACAA	GARATATTAG	GG
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AAAAGGATTCTACG	ATTCTAATTTA	aatgattetg:	CTTTTGAATA1	'aataataat	AATATAATAA	ATTACCTTA'	TAT
KRILR	F · F K	• F C	F • I •	• • •	I • • :	I T L :	¥
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FIGURE 2B (continued)

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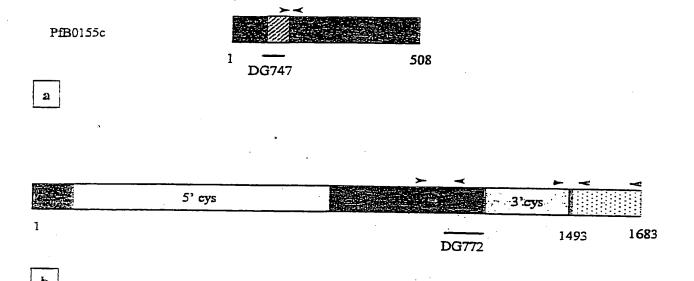


Figure 3.1

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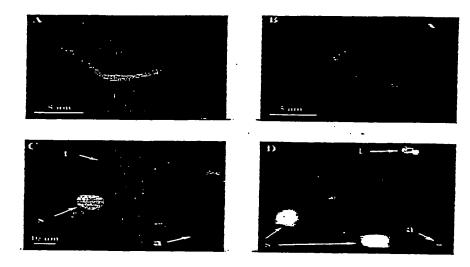


Figure 3.2

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Figure 3.3

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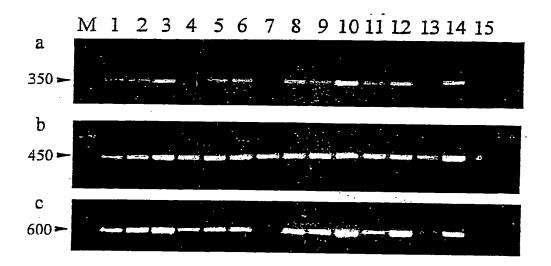


Figure 3.4

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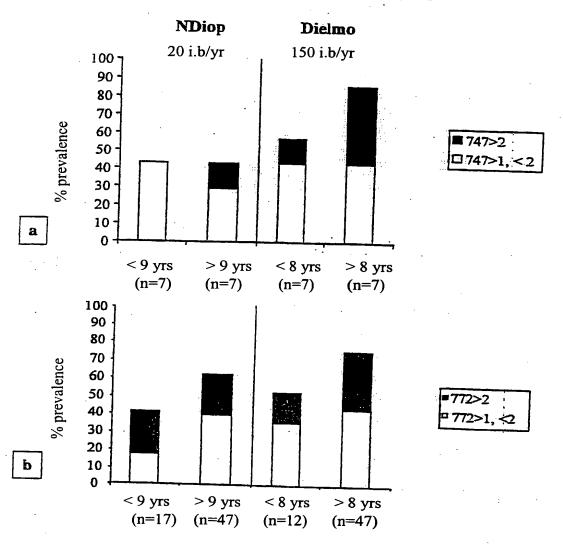


Figure 3.5

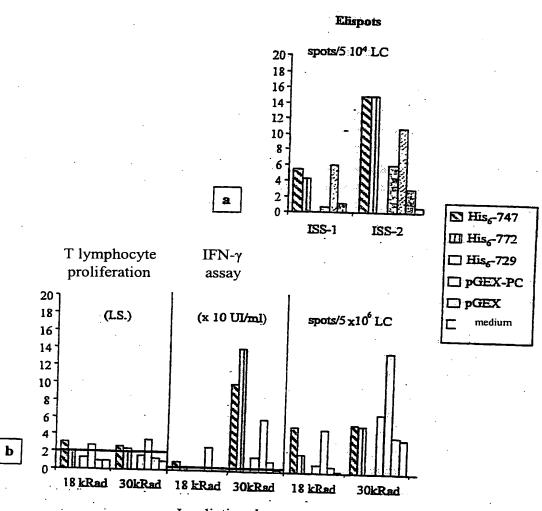
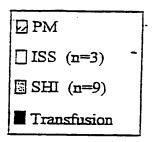


Figure 3.6

Irradiation dose



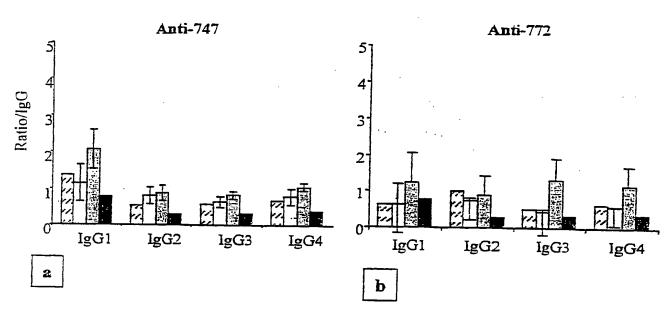


Figure 3.7

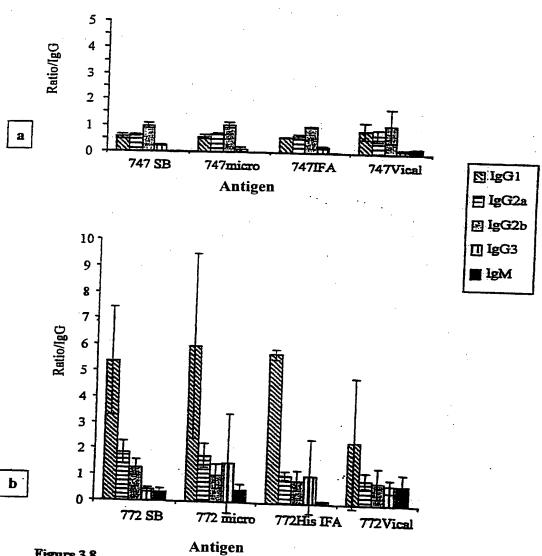


Figure 3.8